

JAN 18 2005

AMENDMENT TO THE CLAIMS

1. (Currently Amended) A print driver executable on a user's personal computer responsive to a selection of a print option from any application program, the print driver comprising:

computer-executable code configured to receive output from an application program; and

computer-executable code configured to generate print output from the application program output, the print output conforming to a scalable vector graphics (SVG) language, which is a standardized device independent output format, wherein the computer-executable code configured to generate the print output further comprises computer-readable code configured to convert absolute coordinates to SVG dimensions in accordance with physical dimensions of an output medium and a desired resolution.

~~wherein the scalable vector graphics (SVG) language is used to represent both text and image output received from the application program.~~

2. (Canceled)

3. (Previously Presented) A print driver according to Claim 1, wherein the application program output comprises Graphic Device Interface (GDI) commands.

4. (Previously Presented) A print driver according to Claim 1, wherein the scalable vector graphics (SVG) language permits a hierarchy of elements,

wherein the computer-executable code configured to generate print output further comprises:

computer-executable code configured to track a state change associated with a hierarchical level defined in the application program output and determine when to include the state change in the print output.

5. (Original) A print driver according to Claim 1, wherein the computer-executable code configured to generate print output further comprises:

computer-executable code configured to cache at least one path element in the application program output and generate a corresponding path element in the print output when a paint path element is encountered in the application program output.

6. (Original) A print driver according to Claim 1, wherein the computer-executable code configured to generate print output further comprises:

computer-executable code configured to convert absolute coordinates to physical lengths using a width and height viewbox designation in the print output.

7. (Original) A print driver according to Claim 1, wherein the computer-executable code configured to generate print output further comprises:

computer-executable code configured to embed image data within an element definition of the print output.

8. (Currently Amended) A printer comprising:

computer-executable code configured to receive device independent print output conforming to a scalable vector graphics (SVG) language, ~~wherein the scalable vector graphics (SVG) language is used to represent both text and image print output;~~ and computer-executable code configured to produce a print image using the print output, wherein the device independent print output is produced from a host computer which converts absolute coordinates to SVG dimensions in accordance with physical dimensions of an output medium and a desired resolution.

9. (Canceled)

10. (Currently Amended) A method executable by a print driver

executing on a user's personal computer and responsive to a selection of a print option from any application program, the print driver comprising:

a receiving step to receive output from an application program; and

a generating step to generate print output from the application program output, the print output conforming to a scalable vector graphics (SVG) language, which is a standardized device independent output format, wherein the computer-executable code configured to generate the print output further comprises computer-readable code configured to convert absolute coordinates to SVG dimensions in accordance physical dimensions of an output medium and a desired resolution.

~~wherein the scalable vector graphics (SVG) language is used to represent both text and image output received from the application program.~~

11. (Canceled)

12. (Previously Presented) A method according to Claim 10, wherein the application program output comprises Graphic Device Interface (GDI) commands.

13. (Previously Presented) A method according to Claim 10, wherein the scalable vector graphics (SVG) language permits a hierarchy of elements, wherein generating print output further comprises:

tracking a state change associated with a hierarchical level defined in the application program output and determine when to include the state change in the print output.

14. (Original) A method according to Claim 10, wherein generating print output further comprises:

storing at least one path element in the application program output and generating a corresponding path element in the print output when a paint path element is encountered in the application program output.

15. (Original) A method according to Claim 10, wherein generating print output further comprises:

converting absolute coordinates to physical lengths using a width and height viewbox designation in the print output.

16. (Original) A method according to Claim 10, wherein generating print output further comprises:

embedding image data within an element definition of the print output.

17. (Currently Amended) A method executable by a printer comprising:

receiving device independent print output conforming to a scalable vector graphics (SVG) language, wherein the scalable vector graphics (SVG) language is used to represent both text and image print output; and

wherein the device independent print output is produced from a host computer which converts absolute coordinates to SVG dimensions in accordance with physical dimensions of an output medium and a desired resolution.

producing a print image using the print output.

18. (Canceled).

19. (Currently Amended) A computer-readable memory medium in which computer-executable process steps are stored, the process steps for execution by a print driver and responsive to a selection of a print option from an application program, the process steps comprising:

a receiving step to receive output from an application program; and

a generating step to generate print output from the application program

output, the print output conforming to a scalable vector graphics (SVG) language, which is a standardized device independent output format, wherein the computer-executable code configured to generate the print output further comprises computer-readable code configured to convert absolute coordinates to SVG dimensions in accordance with physical dimensions of an output medium and a desired resolution.

~~wherein the scalable vector graphics (SVG) language is used to represent both text and image output received from the application program.~~

20. (Canceled)

21. (Previously Presented) A computer-readable memory medium according to Claim 19, wherein the application program output comprises Graphic Device Interface (GDI) commands.

22. (Previously Presented) A computer-readable memory medium according to Claim 19, wherein the scalable vector graphics (SVG) language permits a hierarchy of elements, wherein the generating step to generate print output further comprises:

a tracking step to track a state change associated with a hierarchical level defined in the application program output and determine when to include the state change in the print output.

23. (Original) A computer-readable memory medium according to Claim 19, wherein the generating step to generate print output further comprises:
a storing step to store at least one path element in the application program output and generating a corresponding path element in the print output when a paint path element is encountered in the application program output.

24. (Original) A computer-readable memory medium according to Claim 19, wherein the generating step to generate print output further comprises:
a converting step to convert absolute coordinates to physical lengths using a width and height viewbox designation in the print output.

25. (Original) A computer-readable memory medium according to Claim 19, wherein the generating step to generate print output further comprises:
an embedding step to embed image data within an element definition of the print output.

26. (Currently Amended) A computer-readable memory medium in which computer-executable process steps are stored, the process steps for execution by a printer, wherein the process steps comprise:
a receiving step to receive device independent print output conforming to a scalable vector graphics (SVG) language, wherein the scalable vector graphics (SVG) language is used to represent both text and image print output; and

wherein the device independent print output is produced from a host computer which converts absolute coordinates to SVG dimensions in accordance with physical dimensions of an output medium and a desired resolution.

~~a producing step to produce a print image using the print output.~~

27. (Canceled)